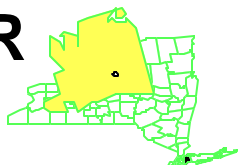


HOOKER CHEMICAL/ RUCO POLYMER NEW YORK

EPA ID# NYD002920312



EPA REGION 2
CONGRESSIONAL DIST. 03
Nassau County
Hicksville

Other Names:
Ruco Polymer Corp.

Site Description

The Hooker Chemical/Ruco Polymer site, located in an industrial park area of Hicksville on Long Island, has been used to manufacture plastics, latex, and esters since 1945. Liquid process wastes were discharged into sand sumps from 1951 to 1975. The sand sumps for Plant 2, which manufactured polyvinyl chloride (PVCs) and latex, received approximately 2 million gallons of process wastewater per year from 1956 to 1975. Reportedly, the dry well for Plant 1, used for the manufacture of esters also received wastewater. Currently, only cooling water is disposed of on site, while other wastes are sent off site for disposal. Some glycol wastes are incinerated on site. Numerous leaks and spills of chemicals, including polychlorinated biphenyls (PCBs), have occurred. Waste disposal and chemical spillage also have occurred at the adjacent Grumman Aerospace Corporation Plant that is being addressed by the New York State Department of Environmental Conservation (NYSDEC) and the U.S. Navy. The 14-acre Ruco Polymer plant site is fenced. Approximately 20,000 people live within a mile of the site. There are four public water supply wells within a mile of the site and 24 wells within 3 miles.

Site Responsibility:

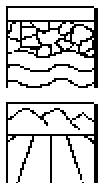
This site is being addressed through Federal and potentially responsible parties' actions.

NPL LISTING HISTORY

Proposed Date: 10/01/84

Final Date: 06/01/86

Threats and Contaminants



Groundwater underlying the site is contaminated with organic compounds such as vinyl chloride, trichloroethylene (TCE) perchloroethylene (PCE) and tentatively identified compounds (TICs). Several industrial wells located downgradient from the site are also contaminated with vinyl chloride.

On-site soils contained volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). The greatest potential health risk is to people who eat, drink, inhale, or come into direct contact with contaminants during domestic use of groundwater.

Cleanup Approach

EPA has designated three operable units for the Site. Operable Unit 1 (OU-1) addresses contaminated soils at the Hooker/Ruco Facility. Operable Unit 2 (OU-2) addresses polychlorinated biphenyl (PCB) contaminated surface soils. Operable Unit 3 (OU-3), addresses the downgradient commingled contaminated groundwater plume beyond the Hooker/Ruco Facility and also the contaminated groundwater beneath the Hooker/Ruco Facility.

Response Action Status



PCB-Contaminated Soils: Based on a potentially responsible party's (PRP's) study to address the PCB-contaminated soils, in 1990 EPA issued a Record of Decision (ROD) for OU-2 to excavate and remove all PCB-contaminated soils. This action was conducted by the potentially responsible parties under an Administrative Order issued by EPA and was completed in 1992.



Ruco Facility: In 1988, the EPA signed a Consent Order with the PRPs to conduct a study to determine the nature and extent of site contamination and to evaluate alternatives for final cleanup. In January 1994, based on the results of this study, EPA issued a Record of Decision for OU-1 for the Ruco facility which includes additional soil sampling, excavation of shallow soils in limited areas, soil flushing in one and possibly two sumps, and control of contaminated groundwater beneath the Ruco facility. In June 1994, EPA issued a Unilateral Administrative Order directing the PRPs to perform the Remedial Design and Remedial Action (RD/RA). Actions on this site are being coordinated with the actions taken on the adjoining Northrop/Grumman (Northrop) and Naval Weapons Industrial Weapons Reserve Plant (NWIRP) sites. The groundwater beneath the Hooker/Ruco Site is commingled with the downgradient contaminated groundwater beneath the Northrop and NWIRP sites. Although groundwater contamination was included under the 1994 ROD, due to the commingling of groundwater with groundwater contamination from Northrop and NWIRP, the groundwater contamination for the Hooker Ruco Site is being addressed under OU-3 (downgradient commingled contaminated groundwater plume beyond the Hooker/Ruco Facility and also the contaminated groundwater beneath the Hooker/Ruco Facility). The remedial actions performed for the unsaturated soil component of OU-1 consisted of: the excavation and off-site disposal of 310 tons of PCB contaminated soil; removal and off-site disposal of the concrete tank in Sump 1 and the installation of a soil flushing system on sump one to

enhance the migration of the remaining minimal chemical presence from the unsaturated soils to the groundwater. The soil flushing system is currently operational. The first injection of 18,400 gallons of potable water were injected into Sump 1 on August 11 and 12, 2002. The soil flushing system will be flushed semi-annually for two years. The groundwater will be addressed in turn by the OU-3 remedy as noted below.



Downgradient Groundwater: In September 2000 based on the RI/FS, EPA issued an OU-3 ROD for the site that includes the remediation of a distinct plume of groundwater contaminated with vinyl chloride, the primary contaminant at the site, using an innovative treatment system called “bioparging”. Bioparging is a form of bioremediation that involves the introduction of air/oxygen into the aquifer to enhance the natural breakdown of the vinyl chloride in the groundwater. This treatment system will operate in addition to the groundwater treatment systems that are already operating under NYSDEC authority to effectively remove a mix of VOCs emanating from the sites. In April 2001, EPA issued an Administrative Order directing the PRPs for the Hooker Chemical/Ruco Polymer Site to perform the Remedial Design and Remedial Action for the September 2000 ROD. In May 2001, the PRPs for the Hooker Ruco Site responded with their intent to comply with the terms of the Administrative Order. Predesign investigative field activities in support of the selected remedy (i.e., bioparging) were completed in August 2002. Evaluation of the pre-design results and preparation of design documents are currently in progress.

Cleanup Progress



After listing the Hooker Chemical/Ruco site on the NPL, the EPA determined that no immediate actions were required to reduce threats to the public or the environment. An early action, taken to address the PCB contaminated soil, has eliminated the potential for exposure. 3,230 tons (1,957 yd³) of soils with PCB concentrations from 10-500 ppm were sent to an off-site landfill. 85.2 tons (52 yd³) of soils with PCB concentrations greater than 500 ppm were sent to an off-site incinerator.

Site Repository



Hicksville Public Library, 169 Jerusalem Avenue, Hicksville, NY 11801